RETURN TO TECHNICAL SERVICE BULLETIN TABLE OF CONTENTS
RETURN TO CD-ROM TABLE OF CONTENTS

GENERAL TECHNICAL SERVICE BULLETIN # 170

Product(s): NM6000, NMGS, NM MRI, NM Mobile, NM M, NM2C, NM2B, NM3, NM4, NM2A, NM2, NM AMIII, NM Compact, NM Standard

Date: September 11, 2001

Re: Cylinder regulator output compensation.

Reference Doc: None.

Reason/Rational: Based on information supplied by Victor Manufacturing, it was stated that the output of the regulator used for regulating **O_2**, **AIR**, **N_2**, **He** and **HeO_2** cylinder supplies, will **decrease** .5 PSI for every 100 PSI **increase** in cylinder pressure above 1000 PSI. Currently, the pressure regulators are calibrated at 47 PSI with a cylinder supply of 1000 PSI. For example, if a new cylinder of 2000 PSI is installed on a new machine, the regulator output would be 42 PSI. This change in output must be compensated for to provide accurate performance throughout the whole cylinder pressure range above 1000 PSI of cylinder pressure.

Solution/Procedure: Refer to updated "Adjustment and Calibration Procedure" for the above mentioned machines, located in section 5.1- Cylinder Regulator Adjustment Procedure, available on the 4th quarter 2001 Anesthesia and Monitoring Service CD-ROM (pn- 4114417-xxx).

NOTE: This adjustment procedure was not included in the following manuals: NMGS, NM MRI, NM M. It is scheduled to be added to the 1st quarter 2002 Anesthesia and Monitoring Service CD-ROM. For the "Adjustment and Calibration Procedure" of these machines please refer to the following:

A) NMGS, NMMRI- please refer to the NM2C "Adjustment and Calibration Procedure" found in section 5.1- Cylinder Pressure Regulator Adjustment.

B) NM M- please refer to the NM Mobile "Adjustment and Calibration Procedure" found in section 5.1- Cylinder Pressure Regulator Adjustment.

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Devices affected:	All machines that use cylinder pressure regulators from Victor Manufacturing for O_2, AIR, N_2 He and HeO_2. (part number-4103590)
Timing/When:	Next Periodic Manufacturer's Certification or Vigilance Audit.
Additional Info:	N_2O/CO_2 effect is minimal (600-750 PSI)
Cost:	None associated, to be performed as part of Periodic Manufacturer's Certification or Vigilance Audit.
Ordering Info/Parts:	Not applicable.
Distribution:	All Authorized Service Organizations, DrägerService.

If you have any questions, please contact Technical Support by phone at 1-800-543-5047 or by fax at 1-215-723-5935.

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